EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(duplicat$3 same address$3) near5 ((arp$3 or (address$3 near4 resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:04
		((conflict$3 same address$3).ti. and ((arp$3 or (address$3 near4 resolution)) near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/07 11:08
S1	25	(address$3 same duplicat$3).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 10:30
S3	0	(address$3 same duplicat$3).ti. and (arp near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/26 15:21
S4	2	(address$3 same duplicat$3).ti. and (prob$3) and arp	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/26 15:21
S5	14	(address$3 same duplicat$3).ti. and (@ad<="20010927")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 10:48
S6	0	"20010017857"	JPO	OR	ON	2005/02/28 10:37
S7	1	("20010017857").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/28 10:37
S8	25	(address$3 same duplicat$3).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 10:59
S9	0	(09/790542).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/28 10:55
S10	1	("5229988").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/28 10:56
S11	0	(address$3 same duplicat$3).ti. and bpdu	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 10:57
S12	3	(address$3 same duplicat$3).ti. and (active near4 network)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 10:57
S13	1	("5557748").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/02/28 11:00
S14	0	(dupliat$3 near4 address$3) and (arp near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:00

EAST Search History

S15	0	(dupliat$3) and (arp near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:01
S16	10	(duplicat$3 near4 address$3) and (arp near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:03
S17	1	(conflict$3 near4 address$3) and (arp near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:03
S18	88	(arp near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:34
S19	0	(arp near4 prob$3) and bpdu	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:04
S20	13	(arp near4 prob$3) and conflict$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:10
S21	24	(duplicat$3 same address$3).ti.	JPO	OR	ON	2005/02/28 11:10
S22	18	((duplicat$3 or conflict$3) near4 address$3) and ((arp or (address near4 resolution)) near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 11:39
S23	18	((duplicat$3 or conflict$3) near4 address$3) and ((arp$3 or (address near4 resolution)) near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:46
S24	1	"5586269".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:22
S25	1	"5557748".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:23
S26	1	"5530896".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:24
S27	1	"5459713".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:25
S28	1	"5446897".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:25
S29	1	"5327534".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:27
S30	1	"5283571".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:27
S31	1	"5159592".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:27
S32	1	"5150464".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:28
S33	1	"4825204".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:29

EAST Search History

S34	1	"5159592".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:30
S35	1	"4546467".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:30
S36	1	"5142530".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:31
S37	1	"5119290".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:31
S38	1	"5854901".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:31
S39	1	"5781552".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:35
S40	1	"5668952".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:36
S41	1	"5617540".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:37
S42	1	"5550984".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:37
S43	1	"5526489".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:37
S44	1	"5524052".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:37
S45	1	"5465330".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:38
S46	1	"5434918".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:38
S47	1	"5355375".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:38
S48	1	"5166931".PN.	USPAT; USOCR	OR	ON	2005/02/28 12:38
S49	0	(conflict$3 same address$3).ti. and ((arp$3 or (address$3 near4 resolution)) near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:47
S50	29	(conflict$3 same address$3).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:47
S51	8	(conflict$3 same address$3).ti. and (arp$3 or (address$3 near4 resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:48
S52	3	(duplicat$3 same address$3).ti. and (arp$3 or (address$3 near4 resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:50
S53	601	(duplicat$3 same address$3) and (arp$3 or (address$3 near4 resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:57

EAST Search History

S54	24	(duplicat$3 same address$3) and (arp$3 or (address$3 near4 resolution)) and prob$3 and (random near3 time)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:57
S55	11	(duplicat$3 same address$3) and (arp$3 or (address$3 near4 resolution)) and prob$3 and (random near3 time) and (@ad<="20010927")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 13:51
S56	19	(duplicat$3 same address$3) and ((arp$3 or (address$3 near4 resolution)) near5 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:03
S57	17	(duplicat$3 near4 address$3) near5 (arp$3 or (address$3 near4 resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:05
S58	65	(conflict$3 near4 address$3) near5 (arp$3 or (address$3 near4 resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:05
S59	1	((conflict$3 near4 address$3) near5 (arp$3 or (address$3 near4 resolution))) and (send$3 near4 prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:06
S60	43	((conflict$3 near4 address$3) near5 (arp$3 or (address$3 near4 resolution))) and (prob$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:06
S61	2	((conflict$3 near4 address$3) near5 (arp$3 or (address$3 near4 resolution))) and (prob$3) and (random near4 time)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:07
S62	7	((conflict$3 near4 address$3) near5 (arp$3 or (address$3 near4 resolution))) and (probe or probing)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:16
S63	1	"5504743".PN.	USPAT; USOCR	OR	ON	2005/02/28 14:10
S64	1	"5276442".PN.	USPAT; USOCR	OR	ON	2005/02/28 14:10
S65	1	"5251205".PN.	USPAT; USOCR	OR	ON	2005/02/28 14:10
S66	56	(arp$3 or (address$3 near4 resolution)) near4 (probe or probing)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:17
S67	22	S66 and duplicat$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:39
S68	239	(duplicat$3 near4 ((ip or internet) adj3 address))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:40

EAST Search History

S69	92	(duplicat$3 near4 ((ip or internet) adj3 address)) and (arp or (address near3 resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:41
S70	7	(duplicat$3 near4 ((ip or internet) adj3 address)) and ((arp or (address near3 resolution)) near4 (probe or probing))	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:43
S71	48	(duplicat$3 near4 ((ip or internet) adj3 address)) and ((arp or (address near3 resolution))) and "709"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:44
S72	26	(duplicat$3 near4 ((ip or internet) adj3 address)) and ((arp or (address near3 resolution))) and (probe or probing) and "709"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:44
S73	11	(duplicat$3 near4 ((ip or internet) adj3 address)) and ((arp or (address near3 resolution))) and (probe or probing) and "709"/$.ccls. and (@ad<="20010927")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:45
S74	12	(duplicat$3 near4 ((ip or internet) adj3 address)) and ((arp or (address near3 resolution))) and (probe or probing) and "370"/$.ccls. and (@ad<="20010927")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 14:46
S75	0	(duplicat$3 near4 ((ip or internet) adj3 address)) and ((arp or (address near3 resolution))) and (probe or probing) and "395"/$.ccls. and (@ad<="20010927")	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 16:53
S76	11	(duplicat$3 near4 ((ip or internet) adj3 address)) and (on$$line and off$$line)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 17:17
S77	58	(duplicat$3 near4 ((ip or internet) adj3 address)) and ((arp$3 or (address$3 near4 resolution)) near4 request$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 17:18
S78	11	(address$3 same duplicat$3).ti. and prob$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/28 18:19
S79	426	((conflict$3 or duplicat$3) near4 address$3) and (probing or probe)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:09
S80	3	((conflict$3 or duplicat$3) near4 address$3) and (probing or probe) and ((bridge near4 protocol near unit) or bpdu)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:12

EAST Search History

S81	8	((conflict$3 or duplicat$3)) and (probing or probe) and ((bridge near4 protocol near unit) or bpdu)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:34
S82	0	(arp near4 (probing or probe)) and ((bridge near4 protocol near unit) or bpdu)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:16
S83	4	((duplicat$3 or conflict$3) near4 address$3) and arp and ((bridge near4 protocol near unit) or bpdu)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18
S84	4	((duplicat$3 or conflict$3) near4 address$3) and arp and ((bridge near4 protocol near data) or bpdu)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:18
S85	4	((duplicat$3 or conflict$3) near4 address$3) and arp and ((bridge near4 protocol near data) or bpdu)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:19
S86	80	((bridge near4 protocol near data) or bpdu).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:19
S87	4	((bridge near4 protocol near data) or bpdu).clm. and (probing or probe)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:19
S88	5	((bridge near4 protocol near data) or bpdu).clm. and (arp)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:20
S89	642	((conflict$3 or duplicat$3) near4 address$3).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:35
S90	0	((conflict$3 or duplicat$3) near4 address$3).ab. and (arp near4 (probing or probe))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:35
S91	11	((conflict$3 or duplicat$3) near4 address$3) and (arp near4 (probing or probe))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/07 11:35

Web Results **1** - **3** of about **4** for **arp (probe or probing) (duplicate <near/4> address)**. (**0.35** seconds)

[PS] ABSTRACT BOOK
File Format: Adobe PostScript
ISO LWS observations of **Arp** 299: a starburst template ... ISOCAM provides a unique tool to **probe** the interstellar medium in nearby galaxies. Its wave- ...
iso.esac.esa.int/meetings/paris/Paris_abstracts/Paris_abstracts.ps.gz - Similar pages

[PDF] Experiments in Planetary and Related Sciences and the Space Station
File Format: PDF/Adobe Acrobat
have affected as well as to **probe** the histories of the radiation sources ... Following the ATAC and **ARP** studies, NASA entered into a preliminary Space ...
ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19890005627_1989005627.pdf - Similar pages

panic 5 kind of scene ic 2 dame
EELER 5 Conger chaser INKY 4 Dark RAINED 6 Came down **PROBE** 5 ... Jamaican sect for short ELMER 5 Mr. Fudd CLONE 5 **Duplicate** BETTE 5 Midler of The Rose ECHO ...
www.rose-hulman.edu/class/se/csse490/cs490-machine-learning/puzzles/cwdb.new - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 3 already displayed.
If you like, you can repeat the search with the omitted results included.

Web

Results **1** - **5** of about **17** for **"arp probe" "duplicate address" "bpdu"**. (**0.40** seconds)

Router Products Release Notes for Software Release 9.0
Issue the Inm **duplicate-address** global command on the router to turn on the option. ...
connected interface, and that interface is configured for **arp probe**. ...
www.cisco.com/univercd/cc/td/doc/product/software/ssr90/rn_rt90/31755.htm - 202k -
Cached - Similar pages

Cisco IOS Configuration Guide Master Index
duplicate address checking 1. encapsulation mode compatibility 1. frame contents 1 ...
BPDU interval 1. DECnet, adjusting timers 1. IP Enhanced IGRP ...
www.cisco.com/univercd/cc/td/doc/product/software/ios120/12cgcr/cbkixol.htm - 977k -
Cached - Similar pages
[More results from www.cisco.com]

Cisco IOS Configuration Guide Master Index
arp probe command 1. arp snap command 1. ARP table. Apollo Domain 1. AppleTalk.
entries 1. gleaning 1. update interval 1. IP. contents , displaying 1 ...
cio.cisco.com/univercd/cc/td/doc/product/software/ios120/12cgcr/cbkixol.htm - 250k -
Supplemental Result - Cached - Similar pages

[PDF] Cabletron Distributed Routing Software Event Logging System ...
File Format: PDF/Adobe Acrobat
An Apple **ARP Probe** was not sent for the indicated reason. APL.033. Level:. P-TRACE ...
BR.009 IEEE 802.1D **BPDU** source_mac to dest_mac, wrong destination, ...
www.enterasys.com/support/manuals/hardware/2875.pdf - Similar pages

Configuration Guide Master Index
arp probe command P1C-13; arp snap command P1C-13; ARP table. Apollo Domain P3C-9; AppleTalk. entries P2C-53 ... fddi **duplicate-address**-check command IC-40 ...
akson.sgh.waw.pl/~chopin/ios120/12cgcr/cbkixol.htm - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 5 already displayed.
If you like, you can repeat the search with the omitted results included.

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"arp probe" "duplicate address" bridge protoco Search Advanced Search Preferences

Web Results **1 - 10** of about **35** for **"arp probe" "duplicate address" bridge protocol unit**. (**0.63** seconds)

Cisco IOS Configuration Guide Master Index
bridge protocol data **units**, 1. **bridge** route command 1. bridges ... Connectionless Network **Protocol** (CLNP) ISO documentation 1 ...
www.cisco.com/univercd/cc/td/doc/product/software/ios120/12cgcr/cbkixol.htm - 977k - Cached - Similar pages

System Software Caveats 9.0
Issue the lnm **duplicate-address** global command on the Cisco router to turn on ... The padding byte is inserted between the OSI **protocol** data **unit** and the ...
www.cisco.com/univercd/cc/td/doc/product/software/ssr90/90bugs/31758.htm - 200k - Cached - Similar pages
[More results from www.cisco.com]

[PDF] Command Reference Master Index Symbols Numerics A
File Format: PDF/Adobe Acrobat - View as HTML
arp probe command P1R-5. ARP server. (example) WR-8. arp snap command P1R-5. ARP table ... **bridge protocol** command BR-50. **bridge protocol** data **units** ...
sgir.supereva.it/Guide/rbkixol.pdf - Supplemental Result - Similar pages

Cisco IOS Configuration Guide Master Index
filtering by **protocol** type 1. CBAC. configuring 1. how it works 1. creating 1 ... **arp probe** command 1. arp snap command 1. ARP table. Apollo Domain 1 ...
cio.cisco.com/univercd/cc/td/doc/product/software/ios120/12cgcr/cbkixol.htm - 250k - Supplemental Result - Cached - Similar pages

Bridging between a Bluetooth scatternet and an Ethernet LAN ...
[0105] The above described NAL routing **protocol** must be coupled with ARP in order to **bridge** a Bluetooth scatternet with an Ethernet LAN. That is to say, ...
www.freepatentsonline.com/20040167988.html - 213k - Cached - Similar pages

Cisco IOS Command References Master Index
arp probe command IP1R - 3; ARP server. (example) WR - 8. arp snap command IP1R - 3 ... **bridge protocol** data **unit** , intervals between hello B1R - 59 ...
noc.caravan.ru/ciscocd/cc/td/doc/product/software/ios122/122mindx/crfindx.htm - Supplemental Result - Similar pages

[PDF] Cabletron Distributed Routing Software Event Logging System ...
File Format: PDF/Adobe Acrobat
An Apple **ARP Probe** was not sent for the indicated reason. APL.033. Level:. P-TRACE ...
An IEEE 802.1D **Bridge Protocol** Data **Unit** (BPDU) was received at the ...
www.enterasys.com/support/manuals/hardware/2875.pdf - Similar pages

[PDF] Cisco IOS Command Reference Master Index, Release 12.0 <a href="#1 ...
File Format: PDF/Adobe Acrobat
bridge protocol data **units**, intervals between hello BR-46 · **bridge protocol** ibm command BR-89 ... fddi **duplicate-address**-check command IR-86 ...
www.filibeto.org/sun/lib/nonsun/cisco/cisco-ios-12.0-command-ref.pdf - Similar pages

From kuznet@ms2.inr.ac.ru Wed Jan 1 17:33:51 2003 Received: with ...
tc filter add <DEV x> parent x:y **protocol** ip prio 10 u32 flowid x:z \ > match ip ... 2) Proxy

protects against **Duplicate Address** Detection: RFC 2461 7.2.3. ...
oss.sgi.com/archives/mbox/netdev/2003-01 - Similar pages

Cisco IOS Software Release 11.3 and 11.3T Caveats
When RSMs are configured to use DEC spanning tree **protocol** on a **bridge** group, ... An RSM will not respond to HP **ARP PROBE** requests, making it impossible to ...
www.jasien.gda.pl/cisco/113cav.htm - 503k - Cached - Similar pages

Result Page: 1 2 **Next**

Web Results **11** - **13** of about **35** for **"arp probe" "duplicate address" bridge protocol unit**. (**0.16** seconds)

Configuration Guide Master Index
appletalk **protocol** command P2C - 15 , P2C - 28 , P2C - 46 ... **arp probe** command P1C - 12; arp snap command P1C - 12; ARP table. Apollo Domain P3C - 9 ...
www.jasien.gda.pl/cisco/cbkixol.htm - 250k - Supplemental Result - Cached - Similar pages

Command Reference Master Index
bridge protocol command BR-50; **bridge protocol** data **units**. intervals between hello BR-44 ... fddi **duplicate-address**-check command IR-78 ...
akson.sgh.waw.pl/~chopin/ios120/12cgcr/rbkixol.htm - 811k - Cached - Similar pages

Configuration Guide Master Index
bridge protocol data **units**. See BPDUs. **bridge** route command BC-73; bridges ... error **protocol** data **unit** ... fddi **duplicate-address**-check command IC-40 ...
akson.sgh.waw.pl/~chopin/ios120/12cgcr/cbkixol.htm - Similar pages

In order to show you the most relevant results, we have omitted some entries very similar to the 13 already displayed.
If you like, you can repeat the search with the omitted results included.

Results for "((duplicate<in>metadata) <and> (arp<in>metadata))" e-mail printer
Your search matched **1** of **1430374** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» **Search Options**

View Session History

New Search

Modify Search

((duplicate<in>metadata) <and> (arp<in>metadata)) Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» **Key**

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **Test geometry influence on antennas used for MIL-STD-461/462 testing**
Millen, E.M.; Friesen, D.R.;
Calibration of Antennas for Close Range Measurements, IEE Colloquium on
24 Jan 1990 Page(s):4/1 - 4/3
AbstractPlus | Full Text: PDF(120 KB) IEE CNF

Results for "(((duplicate <near/4> address))<in>metadata)" e-mail printer
Your search matched **24** of **1430374** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

1. **A foundation for conventional and temporal query optimization addressing duplic and ordering**
Slivinskas, G.; Jensen, C.S.; Snodgrass, R.T.;
Knowledge and Data Engineering, IEEE Transactions on
Volume 13, Issue 1, Jan.-Feb. 2001 Page(s):21 - 49
Digital Object Identifier 10.1109/69.908979
AbstractPlus | References | Full Text: PDF(1144 KB) IEEE JNL
Rights and Permissions

2. **PACMAN: passive autoconfiguration for mobile ad hoc networks**
Weniger, K.;
Selected Areas in Communications, IEEE Journal on
Volume 23, Issue 3, March 2005 Page(s):507 - 519
Digital Object Identifier 10.1109/JSAC.2004.842539
AbstractPlus | References | Full Text: PDF(800 KB) IEEE JNL
Rights and Permissions

3. **An efficient fast neighbor discovery (EFND) scheme to reduce handover latency in IPv6**
Byungjoo Park; Eunsang Hwang; Latchman, H.;
Advanced Communication Technology, 2006. ICACT 2006. The 8th International Confer
Volume 2, 20-22 Feb. 2006 Page(s):5 pp.
AbstractPlus | Full Text: PDF(5224 KB) IEEE CNF
Rights and Permissions

4. **Lease Based Addressing for Event-Driven Wireless Sensor Networks**
Doss, R.C.; Chandra, D.; Pan, L.; Zhou, W.; Chowdhury, M.;
Computers and Communications, 2006. ISCC '06. Proceedings. 11th IEEE Symposium
26-29 June 2006 Page(s):251 - 256
Digital Object Identifier 10.1109/ISCC.2006.93
AbstractPlus | Full Text: PDF(224 KB) IEEE CNF
Rights and Permissions

5. **A Fast Neighbor Discovery and DAD Scheme for Fast Handover in Mobile IPv6 Net**
Byungjoo Park; Sunguk Lee; Latchman, H.;
Networking, International Conference on Systems and International Conference on Mobi
Communications and Learning Technologies, 2006. ICN/ICONS/MCL 2006. Internationa
Conference on

23-29 April 2006 Page(s):201 - 201
Digital Object Identifier 10.1109/ICNICONSMCL.2006.13

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☐ 6. **An analytical study of direct and indirect signaling for mobile IPv6 in mobile-to-mc communications**
Wu, E.; Sekercioglu, Y.A.; Daley, G.; Narayanan, S.;
Computers and Communications, 2005. ISCC 2005. Proceedings. 10th IEEE Symposiur
27-30 June 2005 Page(s):65 - 70
Digital Object Identifier 10.1109/ISCC.2005.22

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☐ 7. **Duplicate address detection and autoconfiguration in OLSR**
Boudjit, S.; Laouiti, A.; Muhlethaler, P.; Adjih, C.;
Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Comput
2005 and First ACIS International Workshop on Self-Assembling Wireless Networks.
SNPD/SAWN 2005. Sixth International Conference on
23-25 May 2005 Page(s):403 - 410
Digital Object Identifier 10.1109/SNPD-SAWN.2005.33

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☐ 8. **Spatio-temporal addressing scheme for mobile ad hoc networks**
Yamazaki, K.; Sezaki, K.;
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Volume B, 21-24 Nov. 2004 Page(s):223 - 226 Vol. 2
Digital Object Identifier 10.1109/TENCON.2004.1414572

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☐ 9. **Fast handover for mobile IPv6 using access router based movement detection anc configuration**
Yong-Geun Hong; Myung-Ki Shin; Hyoung-Jun Kim;
Vehicular Technology Conference, 2004. VTC 2004-Spring. 2004 IEEE 59th
Volume 4, 17-19 May 2004 Page(s):2442 - 2446 Vol.4
Digital Object Identifier 10.1109/VETECS.2004.1390714

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☐ 10. **Local key exchange for mobile IPv6 local binding security association**
Changwen Liu; Soliman, H.;
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Volume 5, 17-19 May 2004 Page(s):2647 - 2655 Vol.5
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AbstractPlus | Full Text: PDF(847 KB) IEEE CNF
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☐ 11. **IPv6 address allocation in hybrid mobile ad-hoc networks**
Il-kyun Park; Young-han Kim; Sang-san Lee;
Software Technologies for Future Embedded and Ubiquitous Systems, 2004. Proceedin
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12. **Fast IPv4/IPv6 address acquisition in wireless LANs**

Ozugur, T.; Sarikaya, B.;
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Digital Object Identifier 10.1109/CCNC.2004.1286857
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13. **A duplicate address resolution protocol in mobile ad hoe networks**
Chunhung Richard Lin; Guo-Yuan Mikko Wang;
Networks, 2003. ICON2003. The 11th IEEE International Conference on
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14. **Handoff delay analysis and measurement for SIP based mobility in IPv6**
Nakajima, N.; Dutta, A.; Das, S.; Schulzrinne, H.;
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Weniger, K.;
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16. **Routing scheme for macro mobility handover in hierarchical mobile IPv6 network**
Vivaldi, I.; Ali, B.M.; Habaebi, H.; Prakash, V.; Sali, A.;
Telecommunication Technology, 2003. NCTT 2003 Proceedings. 4th National Conferen
14-15 Jan. 2003 Page(s):88 - 92
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17. **A shared secure server for multiple closed networks**
Terao, K.; Ono, S.;
Internet Workshop, 1999. IWS 99
18-20 Feb. 1999 Page(s):32 - 39
Digital Object Identifier 10.1109/IWS.1999.810913
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Rights and Permissions

18. **FDDI ring management**
Ocheltree, K.B.; Montalvo, R.M.;
Local Computer Networks, 1989., Proceedings 14th Conference on
10-12 Oct. 1989 Page(s):18 - 23
Digital Object Identifier 10.1109/LCN.1989.65240
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19. **A distributed object-oriented environment for EMS application development**
Pendergast, M.O.;
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Volume i, 8-11 Jan. 1991 Page(s):59 - 66 vol.1
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AbstractPlus | Full Text: PDF(580 KB) IEEE CNF
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☐ **20. Control of duplicate addresses for FDDI**
Hutchison, J.; Yang, H.;
Local Computer Networks, 1991. Proceedings., 16th Conference on
14-17 Oct. 1991 Page(s):473 - 484
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Pendergast, M.O.;
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27-30 March 1991 Page(s):309 - 315
Digital Object Identifier 10.1109/PCCC.1991.113827
AbstractPlus | Full Text: PDF(496 KB) IEEE CNF
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☐ **22. A single system image server cluster using duplicated MAC and IP addresses**
Vaidya, S.; Christensen, K.J.;
Local Computer Networks, 2001. Proceedings. LCN 2001. 26th Annual IEEE Conferenc
14-16 Nov. 2001 Page(s):206 - 214
Digital Object Identifier 10.1109/LCN.2001.990789
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☐ **23. Writing- and communications-across-the-curriculum in the Materials Science and Engineering Department at Virginia Tech**
Hendricks, R.W.; Pappas, E.;
Frontiers in Education Conference, 1995. Proceedings., 1995
Volume 2, 1-4 Nov. 1995 Page(s):4a4.10 - 4a4.14 vol.2
Digital Object Identifier 10.1109/FIE.1995.483175
AbstractPlus | Full Text: PDF(420 KB) IEEE CNF
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☐ **24. Address decoder faults and their tests for two-port memories**
Hamdioui, S.; Van De Goer, A.J.;
Memory Technology, Design and Testing, 1998. Proceedings. International Workshop o
24-25 Aug. 1998 Page(s):97 - 103
Digital Object Identifier 10.1109/MTDT.1998.705954
AbstractPlus | Full Text: PDF(104 KB) IEEE CNF
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IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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Terms used **duplicate address arp bridge protocol data unit** Found **36** of **189,785**

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Results 1 - 20 of 36 Result page: **1** 2 next

Relevance scale

1 The use of connectionless network layer protocols over FDDI networks

Dave Katz
July 1990 **ACM SIGCOMM Computer Communication Review**, Volume 20 Issue 3
Publisher: ACM Press
Full text available: pdf(1.15 MB) Additional Information: full citation, abstract, index terms

Methods for running the DoD IP and OSI connectionless network layer protocols over the FDDI medium are presented. Issues specific to the interaction between network layer protocols and FDDI are discussed, and some possible approaches to problems encountered are evaluated. The OSI protocol suite is examined in particular detail.This work was supported in part by National Science Foundation agreement no. NCR 8720904.

2 Fast and scalable wireless handoffs in supports of mobile Internet audio

Ramón Cáceres, Venkata N. Padmanabhan
December 1998 **Mobile Networks and Applications**, Volume 3 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: pdf(187.08 KB) Additional Information: full citation, abstract, references, citings, index terms

Future internetworks will include large numbers of portable devices moving among small wireless cells. We propose a hierarchical mobility management scheme for such networks. Our scheme exploits locality in user mobility to restrict handoff processing to the vicinity of a mobile node. It thus reduces handoff latency and the load on the internetwork. Our design is based on the Internet Protocol (IP) and is compatible with the Mobile IP standard. We also present experimental results for the I ...

3 Fast and scalable handoffs for wireless internetworks

Ramón Cáceres, Venkata N. Padmanabhan
November 1996 **Proceedings of the 2nd annual international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.35 MB) Additional Information: full citation, references, citings, index terms

4 IP-based protocols for mobile internetworking

John Ioannidis, Dan Duchamp, Gerald Q. Maguire
August 1991 **ACM SIGCOMM Computer Communication Review , Proceedings of the**

conference on Communications architecture & protocols SIGCOMM '91, Volume 21 Issue 4
Publisher: ACM Press
Full text available: pdf(1.29 MB) Additional Information: full citation, references, citings, index terms

5 Internet security attacks at the basic levels
Marco de Vivo, Gabriela O. de Vivo, Germinal Isern
April 1998 **ACM SIGOPS Operating Systems Review**, Volume 32 Issue 2
Publisher: ACM Press
Full text available: pdf(1.28 MB) Additional Information: full citation, abstract, references, citings

The Internet put the rest of the world at the reach of our computers. In the same way it also made our computers reachable by the rest of the world. Good news and bad news!. Over the last decade, the Internet has been subject to widespread security attacks. Besides the classical terms, new ones had to be found in order to designate a large collection of threats: *Worms, break-ins, hackers, crackers, hijacking, phrackers, spoofing, man-in-the-middle, password-sniffing, denial-of-service,* an ....

Keywords: Client-Server, Covert Channel, DNS, Denial of Service, Ethernet, Hijacking, ICMP, Kerberos, One-Time Password, Ping, RIP, Sniffing, Spoofing, TCP/IP

6 Modeling and validation: Analysis of the zeroconf protocol using UPPAAL
Biniam Gebremichael, Frits Vaandrager, Miaomiao Zhang
October 2006 **Proceedings of the 6th ACM & IEEE International conference on Embedded software EMSOFT '06**
Publisher: ACM Press
Full text available: pdf(229.26 KB) Additional Information: full citation, abstract, references, index terms

We report on a case study in which the model checker Uppaal is used to formally model parts of Zeroconf, a protocol for dynamic configuration of IPv4 link-local addresses that has been defined in RFC 3927 of the IETF. Our goal has been to construct a model that (a) is easy to understand by engineers,(b) comes as close as possible to the informal text (for each transition in the model there should be a corresponding piece of text in the RFC), and (c) may serve as a basis for formal verif ...

Keywords: formal methods, model checking, modelling, timed automata, validation, verification, zeroconf protocol

7 Notable computer networks
John S. Quarterman, Josiah C. Hoskins
October 1986 **Communications of the ACM**, Volume 29 Issue 10
Publisher: ACM Press
Full text available: pdf(4.66 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Computer networks are becoming more numerous and more diverse. Collectively, they constitute a worldwide metanetwork.

8 Shangri-La: achieving high performance from compiled network applications while enabling ease of programming
Michael K. Chen, Xiao Feng Li, Ruiqi Lian, Jason H. Lin, Lixia Liu, Tao Liu, Roy Ju
June 2005 **ACM SIGPLAN Notices , Proceedings of the 2005 ACM SIGPLAN conference on Programming language design and implementation PLDI '05**, Volume 40

Issue 6
Publisher: ACM Press

Full text available: pdf(480.93 KB) Additional Information: full citation, abstract, references, citings, index terms

Programming network processors is challenging. To sustain high line rates, network processors have extremely tight memory access and instruction budgets. Achieving desired performance has traditionally required hand-coded assembly. Researchers have recently proposed high-level programming languages for packet processing, but the challenges of compiling these languages into code that is competitive with hand-tuned assembly remain unanswered.This paper describes the Shangri-La compiler, which acce ...

Keywords: chip multiprocessors, dataflow programming, network processors, packet processing, program partitioning, throughput-oriented computing

9 ASHs: Application-specific handlers for high-performance messaging

Deborah A. Wallach, Dawson R. Engler, M. Frans Kaashoek
August 1996 **ACM SIGCOMM Computer Communication Review , Conference proceedings on Applications, technologies, architectures, and protocols for computer communications SIGCOMM '96**, Volume 26 Issue 4
Publisher: ACM Press

Full text available: pdf(174.50 KB) Additional Information: full citation, abstract, references, citings, index terms

Application-specific safe message handlers (ASHs) are designed to provide applications with hardware-level network performance. ASHs are user-written code fragments that safely and efficiently execute in the kernel in response to message arrival. ASHs can direct message transfers (thereby eliminating copies) and send messages (thereby reducing send-response latency). In addition, the ASH system provides support for dynamic integrated layer processing (thereby eliminating duplicate message ...

10 Exploiting recursion to simplify RPC communication architectures

D. R. Cheriton
August 1988 **ACM SIGCOMM Computer Communication Review , Symposium proceedings on Communications architectures and protocols SIGCOMM '88**, Volume 18 Issue 4
Publisher: ACM Press

Full text available: pdf(1.64 MB) Additional Information: full citation, abstract, references, citings, index terms

Current communication architectures suffer from a growing collection of protocols in the host operating systems, gateways and applications, resulting in increasing implementation and maintenance cost, unreliability and difficulties with interoperability. The remote procedure call (RPC) approach has been used in some distributed systems to contain the diversity of application layer protocols within the procedure call abstraction. However, the same technique cannot be applied ...

11 A scalable wireless virtual LAN

Zhao Liu, Malathi Veeraraghavan, Kai Y. Eng
September 1998 **Mobile Networks and Applications**, Volume 3 Issue 3
Publisher: Kluwer Academic Publishers

Full text available: pdf(300.90 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a Wireless Virtual Local Area Network (WVLAN) to support mobility in IP-over-ATM local area networks. Mobility is handled by a joint ATM-layer handoff for connection rerouting and MAC-layer handoff for location tracking, such that the effects of

mobility are localized and transparent to the higher-layer protocols. Different functions, such as Address Resolution Protocol (ARP), mobile location, and ATM connection admission are combined to reduce protocol overhead and fron ...

12 A scalable wireless virtual LAN

Zhao Liu, Malathi Veeraraghavan, Kai Y. Eng
November 1996 **Proceedings of the 2nd annual international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.25 MB) Additional Information: full citation, references, index terms

13 ASHs: application-specific handlers for high-performance messaging

Deborah A. Wallach, Dawson R. Engler, M. Frans Kaashoek
August 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 4
Publisher: IEEE Press
Full text available: pdf(174.62 KB) Additional Information: full citation, references, index terms

Keywords: computer networks, dynamic code generation, modular computer systems, operating systems, protocols, software protection, user-level networking

14 Exploiting path diversity in mobile systems: Divert: fine-grained path selection for wireless LANs

Allen Miu, Godfrey Tan, Hari Balakrishnan, John Apostolopoulos
June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04**
Publisher: ACM Press
Full text available: pdf(913.28 KB) Additional Information: full citation, abstract, references, index terms

The performance of Wireless Local Area Networks (WLANs)often suffers from link-layer frame losses caused by noise, interference, multipath, attenuation, and user mobility. We observe that frame losses often occur in bursts and that three of the five main causes of frame losses -- multipath, attenuation, mobility--depends on the transmission path traversed between an access point (AP)and a client station.In a typical WLAN deployment, different transmission paths to a client exist in places where ...

Keywords: 802.11, mobile systems, path diversity, wireless LAN

15 Trading packet headers for packet processing

Girish P. Chandranmenon, George Varghese
April 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 2
Publisher: IEEE Press
Full text available: pdf(1.41 MB) Additional Information: full citation, references, citings, index terms, review

16 FLIP: an internetwork protocol for supporting distributed systems

M. Frans Kaashoek, Robbert van Renesse, Hans van Staveren, Andrew S. Tanenbaum
February 1993 **ACM Transactions on Computer Systems (TOCS)**, Volume 11 Issue 1
Publisher: ACM Press

Full text available: pdf(2.29 MB) Additional Information: full citation, abstract, references, citings, index terms

Most modern network protocols give adequate support for traditional applications such as file transfer and remote login. Distributed applications, however, have different requirements (e.g., efficient at-most-once remote procedure call even in the face of processor failures). Instead of using ad hoc protocols to meet each of the new requirements, we have designed a new protocol, called the Fast Local Internet Protocol (FLIP), that provides a clean and simple integrated approach to these new ...

17 Wireless Andrew: building a high speed, campus-wide wireless data network

Bernard J. Bennington, Charles R. Bartel

January 2001 **Mobile Networks and Applications**, Volume 6 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(159.87 KB) Additional Information: full citation, references, index terms

Keywords: Andrew, WaveLAN, integration, wireless network

18 The click modular router

Eddie Kohler, Robert Morris, Benjie Chen, John Jannotti, M. Frans Kaashoek

August 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 3

Publisher: ACM Press

Full text available: pdf(376.31 KB) Additional Information: full citation, abstract, references, citings, index terms

Clicks is a new software architecture for building flexible and configurable routers. A Click router is assembled from packet processing modules called elements. Individual elements implement simple router functions like packet classification, queuing, scheduling, and interfacing with network devices. A router configurable is a directed graph with elements at the vertices; packets flow along the edges of the graph. Several features make individual elements more powerful and ...

Keywords: component systems, routers, software router performance

19 Wireless Andrew: experience building a high speed, campus-wide wireless data network

Bernard J. Bennington, Charles R. Bartel

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: pdf(1.48 MB) Additional Information: full citation, references, citings, index terms

20 High-speed local area networks and their performance: a survey

Bandula W. Abeysundara, Ahmed E. Kamal

June 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(3.83 MB) Additional Information: full citation, abstract, references, citings, index terms, review

At high data transmission rates, the packet transmission time of a local area network (LAN) could become comparable to or less than the medium propagation delay. The

performance of many LAN schemes degrades rapidly when the packet transmission time becomes small comparative to the medium propagation delay. This paper introduces LANs and discusses the performance degradation of LANs at high speeds. It surveys recently proposed LAN schemes designed to operate at high data rates, including the ...

Keywords: access schemes, computer networks, data communication, medium access protocols, optical fiber networks

Results 1 - 20 of 36 Result page: **1** 2 next

Terms used **duplicate address arp bridge protocol data unit** Found **36** of **189,785**

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21 Trading packet headers for packet processing

Girish P. Chandranmenon, George Varghese
October 1995 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '95**, Volume 25 Issue 4
Publisher: ACM Press

Full text available: pdf(1.21 MB) Additional Information: full citation, abstract, references, citings, index terms

In high speed networks, packet processing is relatively expensive while bandwidth is cheap. Thus it pays to add information to packet headers to make packet processing easier. While this is an old idea, we describe several specific new mechanisms based on this principle. We describe a new technique, *source hashing*, which can provide *O*(1) lookup costs at the Data Link, Routing, and Transport layers. Source hashing is especially powerful when combined with the old idea of a *flow I ...*

22 Wireless Local Area Networks: Link layer assisted mobile IP fast handoff method over wireless LAN networks

Hidetoshi Yokota, Akira Idoue, Toru Hasegawa, Toshihiko Kato
September 2002 **Proceedings of the 8th annual international conference on Mobile computing and networking**
Publisher: ACM Press

Full text available: pdf(381.56 KB) Additional Information: full citation, abstract, references, citings, index terms

The growing popularity of IEEE 802.11 has made wireless LAN a potential candidate technology for providing high speed wireless access services. Also, by supporting Mobile IP, wireless LAN can meet demands for expanded wireless access coverage while maintaining continuous connectivity from one wireless LAN to another. In the Mobile IP procedure, mobile node movement can be detected from advertisements of foreign agents that differ from the previously received advertisement and the new "care-of" a ...

Keywords: IEEE 802.11, fast handoff, mobile IP

23 Beyond folklore: observations on fragmented traffic

Colleen Shannon, David Moore, K. C. Claffy
December 2002 **IEEE/ACM Transactions on Networking (TON)**, Volume 10 Issue 6

Publisher: IEEE Press

Full text available: pdf(535.41 KB) Additional Information: full citation, abstract, references, citings, index terms

Fragmented IP traffic is a poorly understood component of the overall mix of traffic on the Internet. Many assertions about the nature and extent of fragmented traffic are anecdotal rather than empirical. In this paper we examine the causes and attributes of measured fragment traffic, in particular, the effects of NFS, streaming media, networked video games, tunneled traffic, and the prevalence of packet fragmentation due to improperly configured machines.To understand the prevalence, causes, an ...

Keywords: TCP/IP, fragment, fragmentation, measurement, traffic measurement

24 Computer Communication Networks: Approaches, Objectives, and Performance Considerations

Stephen R. Kimbleton, G. Michael Schneider
September 1975 **ACM Computing Surveys (CSUR)**, Volume 7 Issue 3
Publisher: ACM Press
Full text available: pdf(3.99 MB) Additional Information: full citation, references, citings, index terms

25 Transparent bridging support for Bluetooth-IP service interworking

Jiann-Liang Chen
November 2002 **International Journal of Network Management**, Volume 12 Issue 6
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(264.07 KB) Additional Information: full citation, abstract, references, citings, index terms

A PC-based transparent gateway for interconnecting Bluetooth Piconets and IP local area networks (LAN) was designed in our research. The essential function of this designed Bluetooth-IP gateway is to achieve a seamless integration among home appliances, networking elements and multi-systems using the address resolution protocol (ARP) and connection management scheme. The key techniques developed, as well as the performance analysis in terms of queue length, loss rate, throughput and transmission ...

26 The sink tree paradigm: connectionless traffic support on ATM LAN's

Reuven Cohen, Baiju V. Patel, Frank Schaffa, Marc Willebeek-LeMair
June 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 3
Publisher: IEEE Press
Full text available: pdf(1.57 MB) Additional Information: full citation, references, citings, index terms, review

27 Knowledge-based monitoring and control: an approach to understanding behavior of TCP/IP network protocols

B. L. Hitson
August 1988 **ACM SIGCOMM Computer Communication Review , Symposium proceedings on Communications architectures and protocols SIGCOMM '88**, Volume 18 Issue 4
Publisher: ACM Press
Full text available: pdf(1.29 MB) Additional Information: full citation, abstract, references, citings, index terms

Complex, dynamic, and evolving network environments present difficult challenges for

monitoring and control. We have encoded some of the expertise of human networking experts into a knowledge-based system that uses production rules and opportunistic scheduling, and have been using this system to better understand the behavior of the TCP/IP protocols and the applications that use them. Novel aspects of this research include understanding how to encode knowledge from this domain, and how to r ...

28 Service infastructure and network management: MobiDesk: mobile virtual desktop computing

Ricardo A. Baratto, Shaya Potter, Gong Su, Jason Nieh

September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: pdf(580.39 KB) Additional Information: full citation, abstract, references, index terms

We present MobiDesk, a mobile virtual desktop computing hosting infrastructure that leverages continued improvements in network speed, cost, and ubiquity to address the complexity, cost, and mobility limitations of today's personal computing infrastructure. MobiDesk transparently virtualizes a user's computing session by abstracting underlying system resources in three key areas: display, operating system, and network. It provides a thin virtualization layer that decouples a user's computing ses ...

Keywords: computer utility, network mobility, on-demand computing, process migration, thin-client computing, virtualization

29 Managing energy consumption costs in desktop PCs and LAN switches with proxying, split TCP connections, and scaling of link speed

Chamara Gunaratne, Ken Christensen, Bruce Nordman

September 2005 **International Journal of Network Management**, Volume 15 Issue 5

Publisher: John Wiley & Sons, Inc.

Full text available: pdf(404.61 KB) Additional Information: full citation, abstract, references, index terms

The IT equipment comprising the Internet in the USA uses about $6 billion of electricity every year. Much of this electricity use is wasted on idle, but fully powered-up, desktop PCs and network links. We show how to recover a large portion of the wasted electricity with improved power management methods that are focused on network issues.

30 Memory-efficient state lookups with fast updates

Sandeep Sikka, George Varghese

August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(384.82 KB) Additional Information: full citation, abstract, references, citings, index terms

Routers must do a best matching prefix lookup for every packet; solutions for Gigabit speeds are well known. As Internet link speeds higher, we seek a scalable solution whose speed scales with memory speeds while allowing large prefix databases. In this paper we show that providing such a solution requires careful attention to memory allocation and pipelining. This is because fast lookups require on-chip or off-chip SRAM which is limited by either expense ...

31 IP switching—ATM under IP

Peter Newman, Greg Minshall, Thomas L. Lyon

April 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 2

Publisher: IEEE Press
Full text available: pdf(154.32 KB) Additional Information: full citation, references, citings, index terms

Keywords: Internet protocol, asynchronous transfer mode, broadband communication, communication system control, data communication, packet switching, protocols

32 A system for constructing configurable high-level protocols
Nina T. Bhatti, Richard D. Schlichting
October 1995 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '95**, Volume 25 Issue 4
Publisher: ACM Press
Full text available: pdf(1.42 MB) Additional Information: full citation, abstract, references, citings, index terms

New distributed computing applications are driving the development of more specialized protocols, as well as demanding greater control over the communication substrate. Here, a network subsystem that supports modular, fine-grained construction of high-level protocols such as atomic multicast and group RPC is described. The approach is based on extending the standard hierarchical model of the *x*-kernel with composite protocols in which micro-protocol objects are composed within a standard r ...

33 DoS and authentication in wireless public access networks
Daniel B. Faria, David R. Cheriton
September 2002 **Proceedings of the 3rd ACM workshop on Wireless security WiSE '02**
Publisher: ACM Press
Full text available: pdf(272.24 KB) Additional Information: full citation, abstract, references, citings, index terms

As WEP has been shown to be vulnerable to multiple attacks, a huge effort has been placed on specifying an access control mechanism to be used in wireless installations. However, properties of the wireless environment have been exploited to perform multiple DoS attacks against current solutions, such as 802.11/802.1X. In this paper we discuss the main wireless idiosyncrasies and the need for taking them into account when designing an access control mechanism that can be used in both wireless and ...

Keywords: DoS, security, wireless networks

34 BlueSky: a cordless networking solution for palmtop computers
Pravin Bhagwat, Ibrahim Korpeoglu, Chatschik Bisdikian, Mahmoud Naghshineh, Satish K. Tripathi
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.31 MB) Additional Information: full citation, references, index terms

35 Security: Enhancing the security of corporate Wi-Fi ntworks using DAIR
Paramvir Bahl, Ranveer Chandra, Jitendra Padhye, Lenin Ravindranath, Manpreet Singh, Alec Wolman, Brian Zill
June 2006 **Proceedings of the 4th international conference on Mobile systems, applications and services MobiSys 2006**

Publisher: ACM Press
Full text available: pdf(302.26 KB) Additional Information: full citation, abstract, references, index terms

We present a framework for monitoring enterprise wireless networks using desktop infrastructure. The framework is called DAIR, which is short for *Dense Array of Inexpensive Radios*. We demonstrate that the DAIR framework is useful for detecting rogue wireless devices (e.g., access points) attached to corporate networks, as well as for detecting Denial of Service attacks on Wi-Fi networks.Prior proposals in this area include monitoring the network via a combination of access points (APs), m ...

Keywords: 802.11, denial-of-service, rogue AP, security, wireless networks

36 Physical interface: Fine-grained network time synchronization using reference broadcasts

Jeremy Elson, Lewis Girod, Deborah Estrin
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI
Publisher: ACM Press
Full text available: pdf(2.10 MB) Additional Information: full citation, abstract, references, citings

Recent advances in miniaturization and low-cost, low-power design have led to active research in large-scale networks of small, wireless, low-power sensors and actuators. Time synchronization is critical in sensor networks for diverse purposes including sensor data fusion, coordinated actuation, and power-efficient duty cycling. Though the clock accuracy and precision requirements are often stricter than in traditional distributed systems, strict energy constraints limit the resources available ...

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1 Modeling and validation: Analysis of the zeroconf protocol using UPPAAL

Biniam Gebremichael, Frits Vaandrager, Miaomiao Zhang

October 2006 **Proceedings of the 6th ACM & IEEE International conference on Embedded software EMSOFT '06**

Publisher: ACM Press

Full text available: pdf(229.26 KB) Additional Information: full citation, abstract, references, index terms

We report on a case study in which the model checker Uppaal is used to formally model parts of Zeroconf, a protocol for dynamic configuration of IPv4 link-local addresses that has been defined in RFC 3927 of the IETF. Our goal has been to construct a model that (a) is easy to understand by engineers,(b) comes as close as possible to the informal text (for each transition in the model there should be a corresponding piece of text in the RFC), and (c) may serve as a basis for formal verif ...

Keywords: formal methods, model checking, modelling, timed automata, validation, verification, zeroconf protocol

2 Selfconfiguration of interconnecting networks: Dynamic autoconfiguration in 4G networks: problem statement and preliminary solution

Rui Campos, Manuel Ricardo

September 2005 **Proceedings of the 1st ACM workshop on Dynamic interconnection of networks DIN '05**

Publisher: ACM Press

Full text available: pdf(295.27 KB) Additional Information: full citation, abstract, references, index terms

The Internet is characterized by the coexistence of two Internet Protocol (IP) versions and multiple autoconfiguration mechanisms which are deployed targeting specific communication scenarios. This heterogeneity requires user pre-configurations, namely with respect to the proper autoconfiguration mechanism to be used at each time. On the other hand, future networks may imply that users own personal networks demanding self-configuration and self-management, and being part of very dynamic scenario ...

Keywords: autoconfiguration, personal area networks, self-management

3 T2-D: WAN's and PAN's symposium: Dynamic and automatic connection of personal area networks to the global internet

Rui Campos, Manuel Ricardo
July 2006 **Proceeding of the 2006 international conference on Communications and mobile computing IWCMC '06**
Publisher: ACM Press
Full text available: pdf(930.30 KB) Additional Information: full citation, abstract, references, index terms

In the Next Generation Networks (NGNs) users will carry multiple devices forming cooperative networks known as Personal Area Networks (PANs). Some existing technologies enable this type of networks, such as Bluetooth or IEEE 802.15.4, but a unified framework capable of self-organizing them dynamically in a full heterogeneous environment populated by these and other technologies still has to be defined. Also, these networks are envisioned to be connecting dynamically to the Internet, and may use ...

Keywords: dynamic autoconfiguration, personal area networks, self-management, ubiquitous connectivity

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